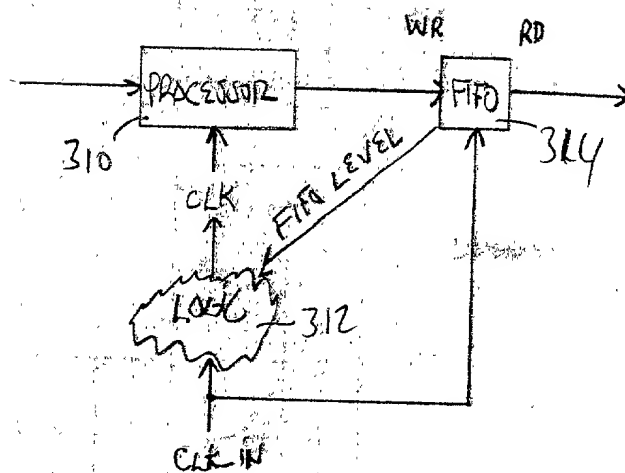


FIG. 1



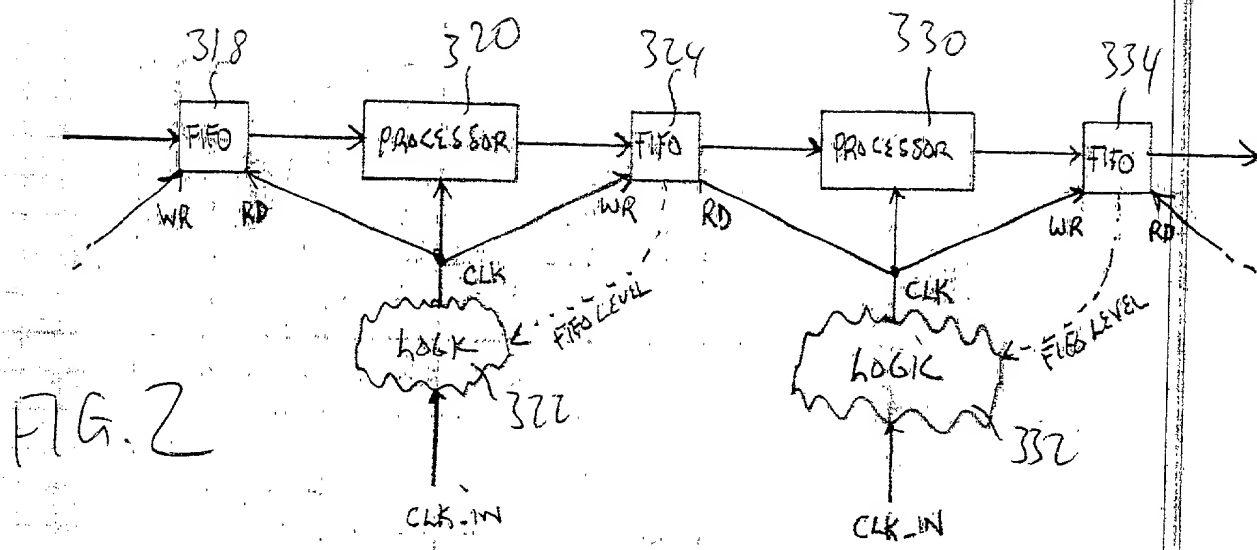


FIG. 2

FIG. 3

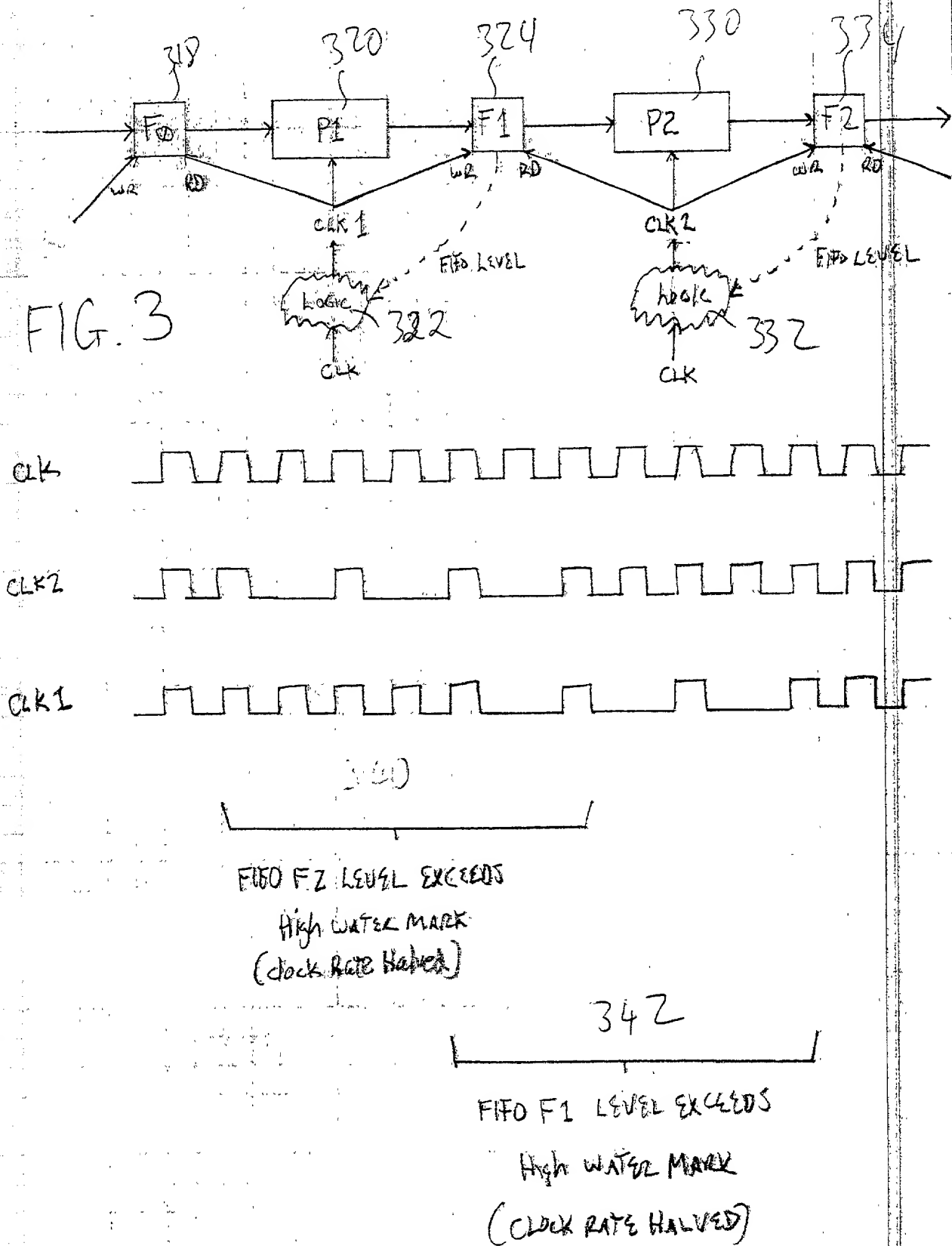
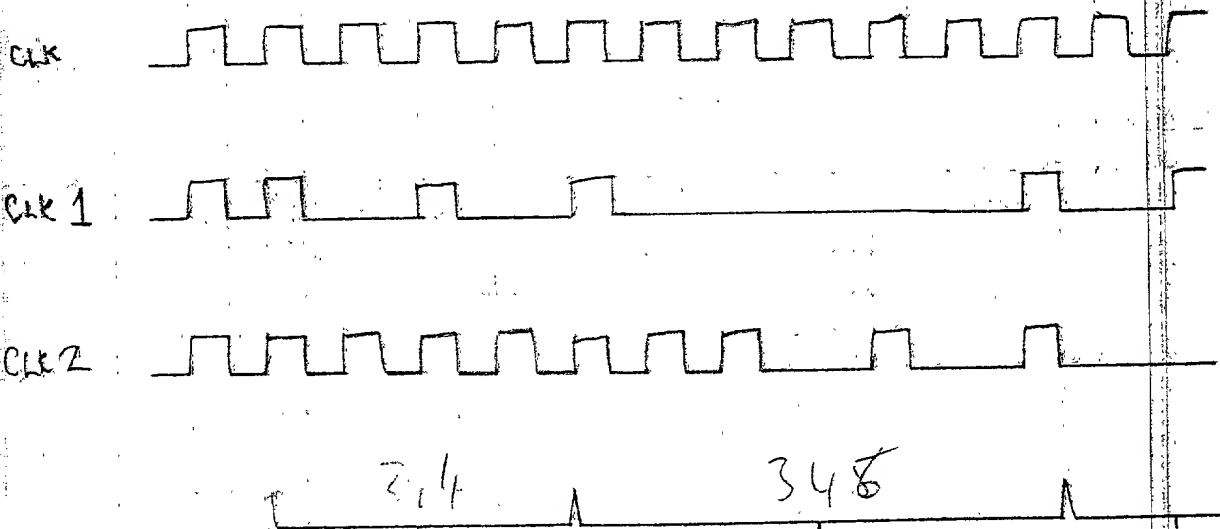
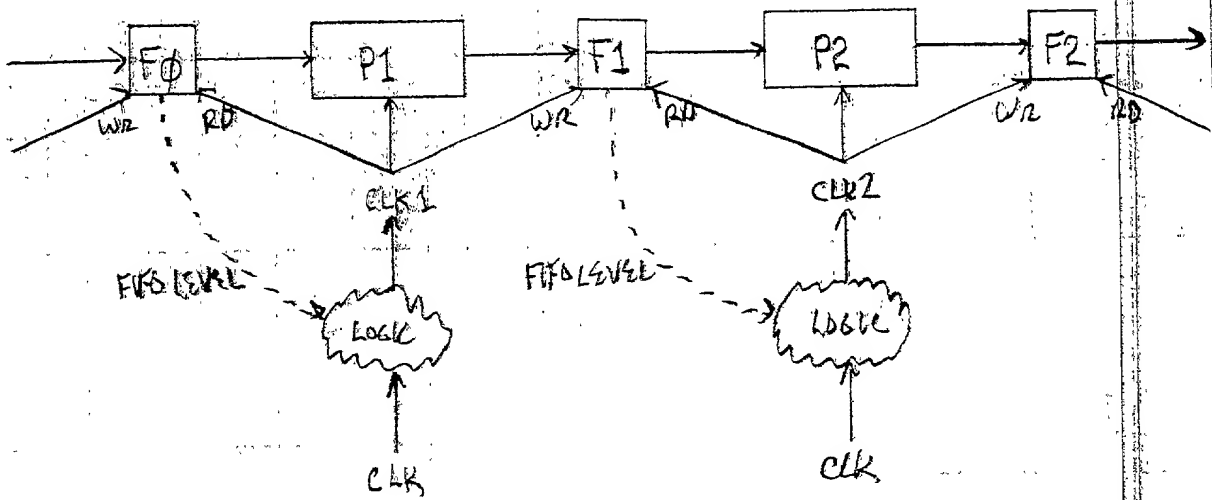


FIGURE 3: EXAMPLE BEHAVIOR WITH MULTIPLE INDEPENDENT CLOCK CONTROLS



FIFO 0 LEVEL
BELOW LOW WATER
MARK

FIFO 0 LEVEL
EMPTY

FIFO 0
LEVEL NO
LONGER
EMPTY

FIG. 4

FIGURE 4: EXAMPLE BEHAVIOR OF FIFO EMPTY/
NEAR EMPTY WITH MULTIPLE
INDEPENDENT CLOCK CONSTRAINTS

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FIFO 1 LEVEL BELOW
LOW WATER MARK

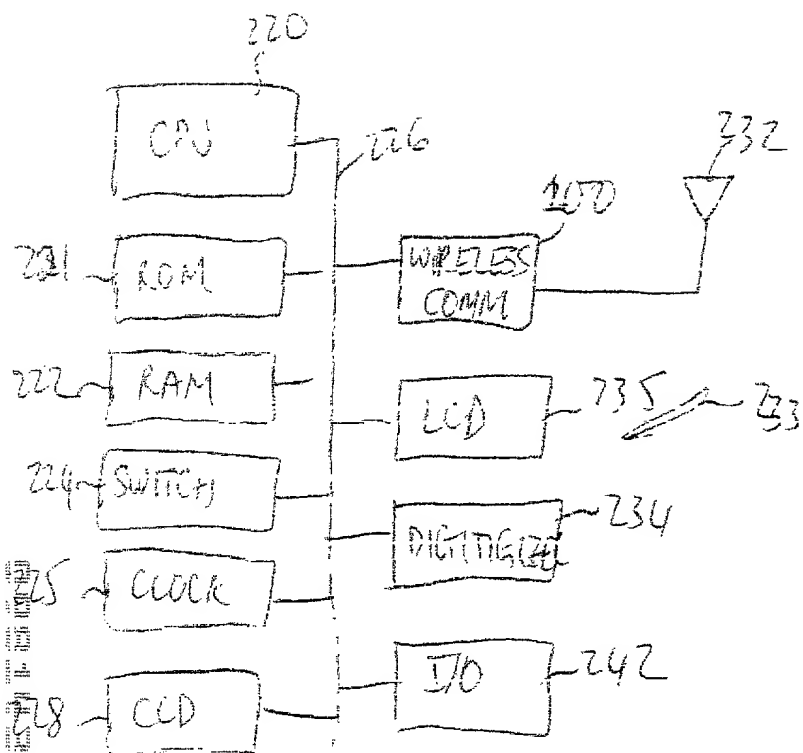


FIG. 8